

Notice of Allowability

Application No.

10/733,126

Examiner

Marisol Figueroa

Applicant(s)

PARK ET AL.

Art Unit

2617

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to amendment filed on 5/12/2006.
2. ☒ The allowed claim(s) is/are 1-28 and 31-34.
3. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some* c) ☐ None of the:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
- (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
- 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
- (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

- | | |
|---|---|
| 1. <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 5. <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 6. <input type="checkbox"/> Interview Summary (PTO-413),
Paper No./Mail Date _____ |
| 3. <input type="checkbox"/> Information Disclosure Statements (PTO-1449 or PTO/SB/08),
Paper No./Mail Date _____ | 7. <input type="checkbox"/> Examiner's Amendment/Comment |
| 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit
of Biological Material | 8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance |
| | 9. <input type="checkbox"/> Other _____ |

DETAILED ACTION

1. The Art Unit location of your application in the USPTO has changed. To aid in correlating any papers for this application, all further correspondence regarding this application should be directed to Art Unit 2617.

Allowable Subject Matter

2. Claims 1-28, and 31-34 (*renumbered as 1-32, respectively*) are allowed.

3. The following is a statement of reasons for the indication of allowable subject matter:

Claims 1 and 6 are allowed because the closest prior art, ALMASSY (EP 1243941 A1) in view of NUUTINEN et al. (US 2004/0072576 A1), either singularly or in combination, fail to anticipate or render obvious a system for providing position information of a target mobile communication terminal, wherein a mobile communication server generates acquisition assistance sensitive assistance (AASA) information including a received signal strength indicator and transmits the AASA information to a first mobile communication terminal and to a second mobile communication terminal (i.e., target) when the first mobile communication terminal transmits a position tracking signal for determining the position of the second communication terminal, and wherein each mobile communication terminal determines its individual position on the basis of the AASA information at intervals of a predetermined time.

Claims 11 and 16 are allowed because the closest prior art, ALMASSY (EP 1243941 A1) in views of NUUTINEN et al. (US 2004/0072576 A1), LUNDGREN et al. (US 2003/0008671 A1), and HIROKAWA (US 2003/0119529 A1) either singularly or in combination, fail to anticipate or render obvious a system for providing position information of a target mobile communication terminal, wherein a mobile communication server generates acquisition assistance sensitive assistance (AASA) information including a received signal strength indicator and transmits the

Art Unit: 2617

AASA information to a first mobile communication terminal and to a second mobile communication terminal (i.e., target) when the first mobile communication terminal transmits a position tracking signal for determining the position of the second communication terminal, and wherein each mobile communication terminal determines its individual position on the basis of the AASA information at intervals of a predetermined time and transmit their individual positions to the mobile communication server for calculating correlative position information.

Claims 21 and 25 are allowed because the closest prior art, ALMASSY (EP 1243941 A1) in views of NUUTINEN et al. (US 2004/0072576 A1), BROWN et al. (US 6,838,998 B1), and NOZAKI (US 2002/0133290 A1) either singularly or in combination, fail to anticipate or render obvious a system for providing position information of a target mobile communication terminal, wherein a mobile communication server generates acquisition assistance sensitive assistance (AASA) information including a received signal strength indicator and transmits the AASA information to a first mobile communication terminal and to a second mobile communication terminal (i.e., target) responsive to a position tracking signal from a communication terminal for determining the position of the second mobile communication terminal, and wherein each mobile communication terminal determines its individual position on the basis of the AASA information at intervals of a predetermined time and transmit their individual positions to the mobile communication server, which transfers them to a Web server for calculating correlative position information.

Claims 2-5, 7-10, 12-15, 17-20, 22-24, 26-28, and 31-34 are allowed as being dependent upon independent claims that have been allowed.

Art Unit: 2617

Prior Art of Record

4. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

(a) HOSONO (US 2003/0100294 A1) – Portable Telephone System Containing Portable Telephone Terminal.


(b) PIHL et al. (US 6,397,074 B1) – GPS Assistance Data Delivery Method and System.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Marisol Figueroa whose telephone number is (571) 272-7840. The examiner can normally be reached on Monday Thru Friday 8:30 a.m. - 5:00 p.m..

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Lester G. Kincaid can be reached on (571) 272-7922. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.


Marisol Figueroa
Art Unit 2617


LESTER G. KINCAID
SUPERVISORY PRIMARY EXAMINER